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To Kevin Misenheimer/R4/USEPA/US@EPA

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Subject Smoky Mt. Smelter

Kevin, thanks for volunteering to conduct this assessment. The primary concern at this site appears to be Aluminum Dross. Al Dross is a waste by product of Aluminum smelting. The product itself does not typically contain hazardous substances and is not regulated as a hazardous waste. However, some dross may contain elevated levels of metals (lead, selenium, etc.). One of the main issues with this material is the hazardous gases produced when the material comes in contact with water (ie rainfall). Fairly high levels of ammonia, acetylene, hydrogen, and methane can be produced. Runoff into surface waters can also be a major issue. (metals, pH). EPA 4 has done some work in the past on some Al Dross sites. Art and Chuck worked on Green River Disposal in Maceo, Ky. back in the late 80's. They might be a good source of info. I searched Google, and found some good info as well. Let me know if you need any additional help. Thanks

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